

An optical disk device records data on a recordable or rewritable optical disk. The optical disk device comprises zone storing means for preliminarily storing locations of a plurality of zones set by dividing a recordable or rewritable area of the optical disk from an inner periphery thereof to an outer periphery thereof, position detecting means for detecting a position on the optical disk so as to record data at the position, judging means for judging which of the zones the position corresponds to by referring to the zone storing means, and controlling means for controlling the device to perform a data-recording by a CLV method to each of the zones specified by the judging means by setting a recording velocity and a recording power for each of the zones so as to enable the data-recording to provide an equal recording density to all of the zones.

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